

## **Lab on Java I/O Streams**

### **Part-I**

- Use prior lab classes ( Product, Book, Software, Tagable, Validator, Invoice, ProductDB, ProductOrder)
- Create a text file of your own which would contain all the product codes and quantity (optional). This file may contain each entry in separate line. Two options of approach:
  - Read both code and quantity from the file and create ProductOrders accordingly.
  - Read/have only product code in file and use Random class to generate quantity value by giving reasonable limit.
- Create a *ReadMyFile.java* that contains all related functions to support your program.
- *InvoiceApp1File.java* would use the *ReadMyFile.java* to read the file.
- After every read, create the ProductOrders and store them in a collection object and create Invoice object and display them.

### **Part-II**

- Once the above portion is done, create *StoreMyObject.java* class to save the above mentioned Invoice object into “MyProdctOrders” file. To save the object, you may have to serialize the necessary objects. Use the Object stream to store and retrieve the object.
- After storing the object, try reading the object from “MyProductOrders” file and deserialize the object and print the Invoice.